

3-3751-X-RM Rechargeable Warning Beacon

Important! Safety and installation requirements:

- Please read these instructions fully before putting the lamp into service.
- This product must be used in such a way that it will not cause danger or damage to the vehicle, its occupants or any third party.
- This product utilizes high-intensity LED technology. DO NOT stare directly into the light they produce, as momentary blindness and/or permanent damage to the eyes may occur.
- Inspect and operate the lamp before each vehicle use, to confirm correct operation and mounting condition.
- Use only a mixture of soap and water to clean this product.
- DO NOT direct a high-pressure water jet at this product.
- DO NOT allow solvents; fuels; acetone-based cleaners etc. to contact this product.
- This product must only be wired as per the wiring chart in these instructions. In order for the lamp to function correctly all connections, in particular the earth/ground cable must be well made.
- Always make sure that the vehicle's power-supply socket is correctly wired with a fuse; not damaged in any way, and is of the correct voltage.
- Before affixing to the vehicle, ensure that the rubber cover over the magnet is clean and clear of all debris, to avoid damage to the mounting location. Always install the lamp on a flat ferromagnetic surface.
- The lamp has been designed for security and stability whilst at high road speeds. However, unforeseen environmental and local conditions, for example high winds or driving into a tunnel or bridge may mean that the user has to reduce speed accordingly to maintain the security of the lamp.

Operational information

- The 3-3751-X-RM rechargeable beacon is supplied complete with its charge/control cable with two switches:
 - 'On/Off' with telltale LED – switches the charge/supply power on/off.
 - 'Momentary' – pattern select, see table overleaf for details.
- The lamp itself has the main on/off switch on the side of the body.
- Before first use, make sure the main switch is set to 'off', then connect the charge/control cable to a suitable power outlet socket, switch the charge-supply switch to 'on' and allow to fully charge for 4 hours. The green LED illuminates to confirm the battery is being charged.
- The lamp has three operating modes, which can be selected as per the table overleaf.
 - Mode 1 allows the user to select any of the available flash patterns in the table below, using the 'momentary' switch on the charge/control cable.
 - Mode 2 works as above but all flash patterns operate at 50% brightness [dim mode].
 - Mode 3 is 'simple mode', and allows only one flash pattern, which is selected in either mode 1 or mode 2.
- In modes 1 and 2, the flash pattern can be advanced to the next program by pressing the 'momentary' switch for less than one second. See table overleaf.
- If required, the lamp can also be operated whilst the charging cable is still connected.
- On the circuit board of the lamp are two status indicator lamps. See table below for details.

Operating specifications

Charging voltage range via supplied cable	10-40V DC
Current draw while operating @ 12V DC	1.3 Amps
Current draw while charging @ 12V DC	1 Amp
Time to fully charge battery from fully depleted ¹	4 hours
Operational time when running on battery in mode 1 ²	6.5 hours
Operational time when running on battery in mode 2 ²	12 hours
¹ Battery charging must only take place when the battery has fully reached room temperature.	
² Note that this time estimate is given for a brand new, fully charged battery at room temperature. It is not a guarantee of operational time, as environmental conditions and history of usage will both affect this figure	
³ To maximize battery life and performance, carry out a full charge-discharge-charge process once per month. Do not allow the battery to lay in storage for any length of time, without being charged regularly.	

Status indicator lamps [LEDs]

	Green LED	Yellow LED	Condition
Condition	On	Off	Charging in progress
	Off	Off	Fully charged [Main switch off and power connected]
	On	On	Battery too cold to charge, or battery overheating
	Off	On	Battery faulty

Selecting the mode

- Connect the charge/control cable to power.
- Select a flash program **other than 25** [constant].
- Press and hold the 'momentary' switch until the lamp switches off, then release the 'momentary' switch.
- To indicate the selected mode, the lamp will flash once for mode one; twice for mode two; and three times for mode three, before re-starting the flash program.

Available flash patterns

Program number	Number of LEDs	LED grouping	Pattern	Sequence	Frequency / min
1	8	All	Quad	All on – All off	125
2	8	All	Double	All on – All off	125
3	8	All	Single	All on – All off	125
4	8	All	Quad	All on – All off	180
5	8	All	Single	All on – All off	180
6	8	All	Single	All on – All off	75
7	1	Individual	Single	Revolving	75
8	1	Individual	Single	Revolving	125
9	1	Individual	Quad	Revolving	75
10	1	Individual	Double	Revolving	75
11	1	Individual	Quad	Revolving	125
12	1	Individual	Double	Revolving	125
13	4	Adjacent	Quad	4 on – 4 off	90
14	4	Adjacent	Double	4 on – 4 off	90
15	4	Adjacent	Single	4 on – 4 off	90
16	4	Adjacent	Quad	4 on – 4 off	180
17	4	Adjacent	Double	4 on – 4 off	180
18	4	Adjacent	Single	4 on – 4 off	180
19	4	Alternate	Quad	4 on – 4 off	90
20	4	Alternate	Double	4 on – 4 off	90
21	4	Alternate	Single	4 on – 4 off	90
22	4	Alternate	Quad	4 on – 4 off	180
23	4	Alternate	Double	4 on – 4 off	180
24	4	Alternate	Single	4 on – 4 off	180
25	8	All	n/a	Constant	-

